

# WATER QUALITY M E M O R A N D U M

## Utah Coal Regulatory Program

October 7, 2003

TO: Internal File

THRU: Daron R. Haddock, Permit Supervisor

FROM: James D. Smith, Environmental Scientist

RE: 2003 Second Quarter Water Monitoring, PacifiCorp, Cottonwood / Wilberg Mine, C/015/0019, Task ID #169

The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2ndS XC-11 are no longer accessible. The pond at the Cottonwood Fan Portal was reclaimed in 2002 and UPDES 22896-002 is no longer reported.

- 1. Were data submitted for all of the MRP required sites?** YES ☒ NO ☐  
*Identify sites not monitored and reason why, if known:*

- 2. On what date does the MRP require a five-year resampling of baseline water data.**  
*See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.*

### Resampling Due Date

Renewal submittal due 3/06/04, renewal due 7/06/04. Baseline analyses were performed in 1996 and 2001 and will be repeated every 5 years, i.e., next baseline analyses will be in 2006.

- 3. Were all required parameters reported for each site?** YES ☐ NO ☒  
*Comments, including identity of monitoring site:*

Dissolved Mg was not reported for the USFS UPDES -004 sample collected near the Miller Canyon portals. This USFS sampling requirement is incorporated in the MRP.

**4. Were irregularities found in the data?**

YES [X]      NO [ ]

*Comments, including identity of monitoring site:*

GWR-03 June: Ca (n = 28) and total alkalinity (n = 61; not a required parameter) were outside the two standard deviation range;

UPDES 22896-001 (WMD-01) May: field pH (n = 190) was outside the two standard deviation range.

**5. Were DMR data submitted for all required sites?**

1<sup>st</sup> month,    YES [X]    NO [ ]

2<sup>nd</sup> month,    YES [X]    NO [ ]

*Identify sites and months not monitored:*

3<sup>rd</sup> month,    YES [X]    NO [ ]

The pond at the Cottonwood Fan Portal was reclaimed in 2002 and UPDES 22896-002 is no longer reported.

A sample was collected from some standing water near the Miller Canyon portals to satisfy USFS requirements. It is questionable that the sample is mine discharge water: the last measured discharge from the portals was July 1996, and the portals are sealed and the area reclaimed. The USFS sampling will continue semi-annually for two years.

Data were submitted electronically for all three months. DMRs were submitted in electronic format (Adobe) for April and May but not for June.

**6. Were all required DMR parameters reported?**

YES [X]      NO [ ]

*Comments, including identity of monitoring site:*

DMR parameters that are not included in the operational parameter lists in the MRP are not reported in the electronic submittal.

**7. Were irregularities found in the DMR data?**

YES [ X ]      NO [ ]

*Comments, including identity of monitoring site:*

UPDES 22896-001 (WMD-01) May: field pH (n = 190) was outside the two standard deviation range.

Page 3  
C/015/0019  
Task ID #169  
October 7, 2003

**8. Based on your review, what further actions, if any, do you recommend?**

The Permittee needs to report both total and dissolved Mg at the USFS UPDES –004 sample collected near the Miller Canyon portals

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